

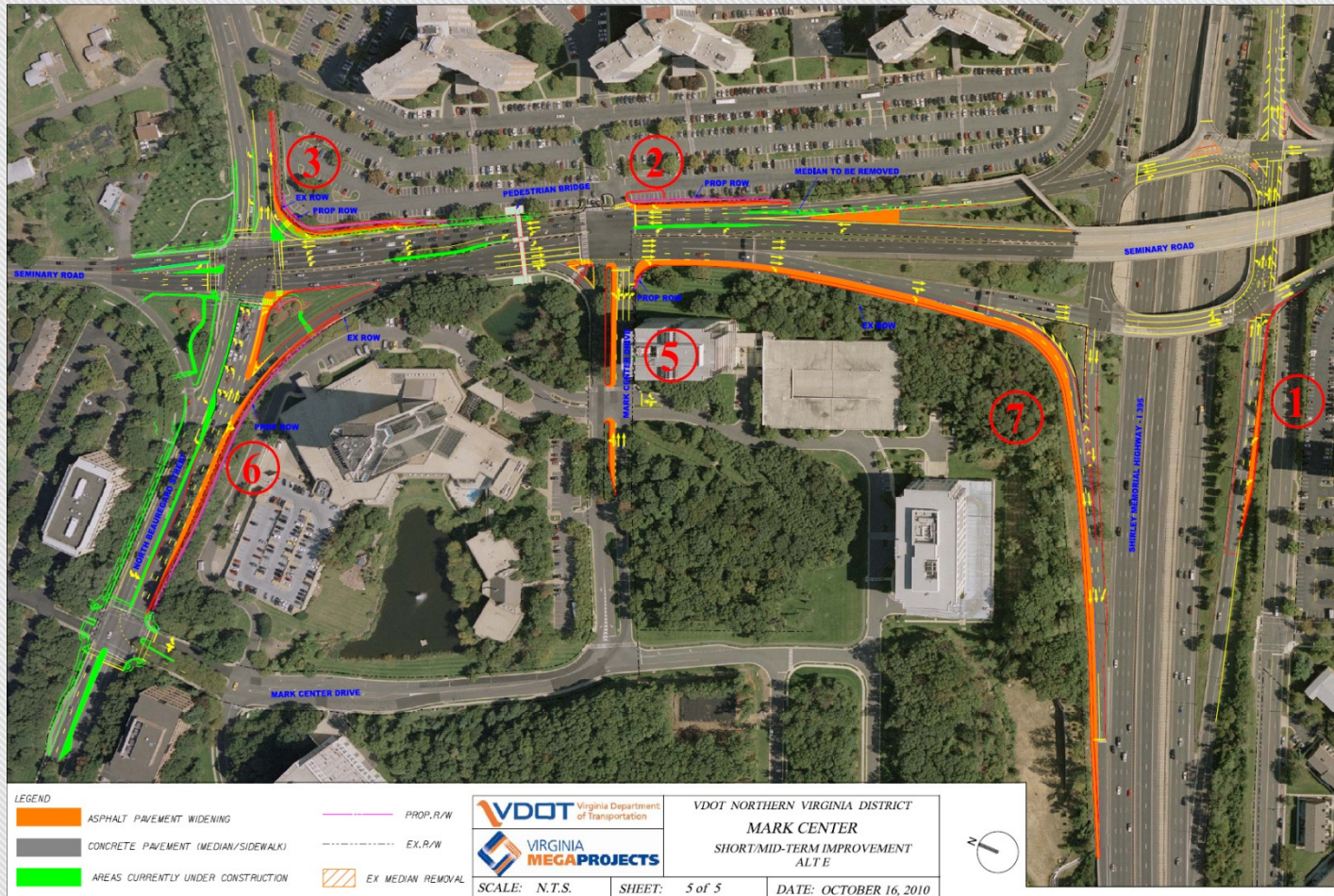
City of Alexandria, Virginia

BRAC-133 Advisory Group

October 19, 2011



Short and Mid-Term Improvements



Short and Mid-Term Improvements Schedule

Activity

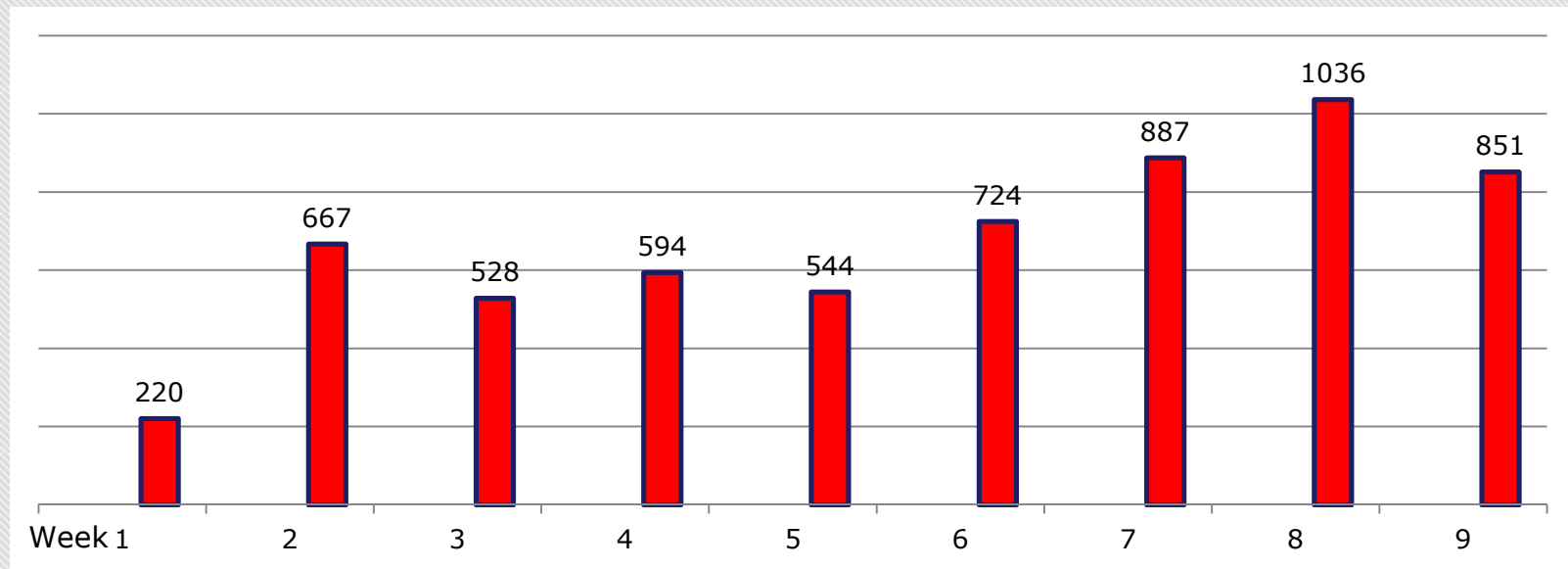
Date

Award 30% Design Task Order	July 2011
Issue Design-Build RFQ	Oct 2011
NEPA Document Complete	Nov 2011
Qualifications Due	Nov 2011
Issue Design-Build RFP	Dec 2011
Proposals Due	Jan 2012
Award Design-Build Contract	March 2012
Construction Begins (Phase I)	June 2012
Phase I Improvements complete	Sept 2012
Construction Begins (Phase II)	April 2013
Phase II Improvements Complete	Dec 2013

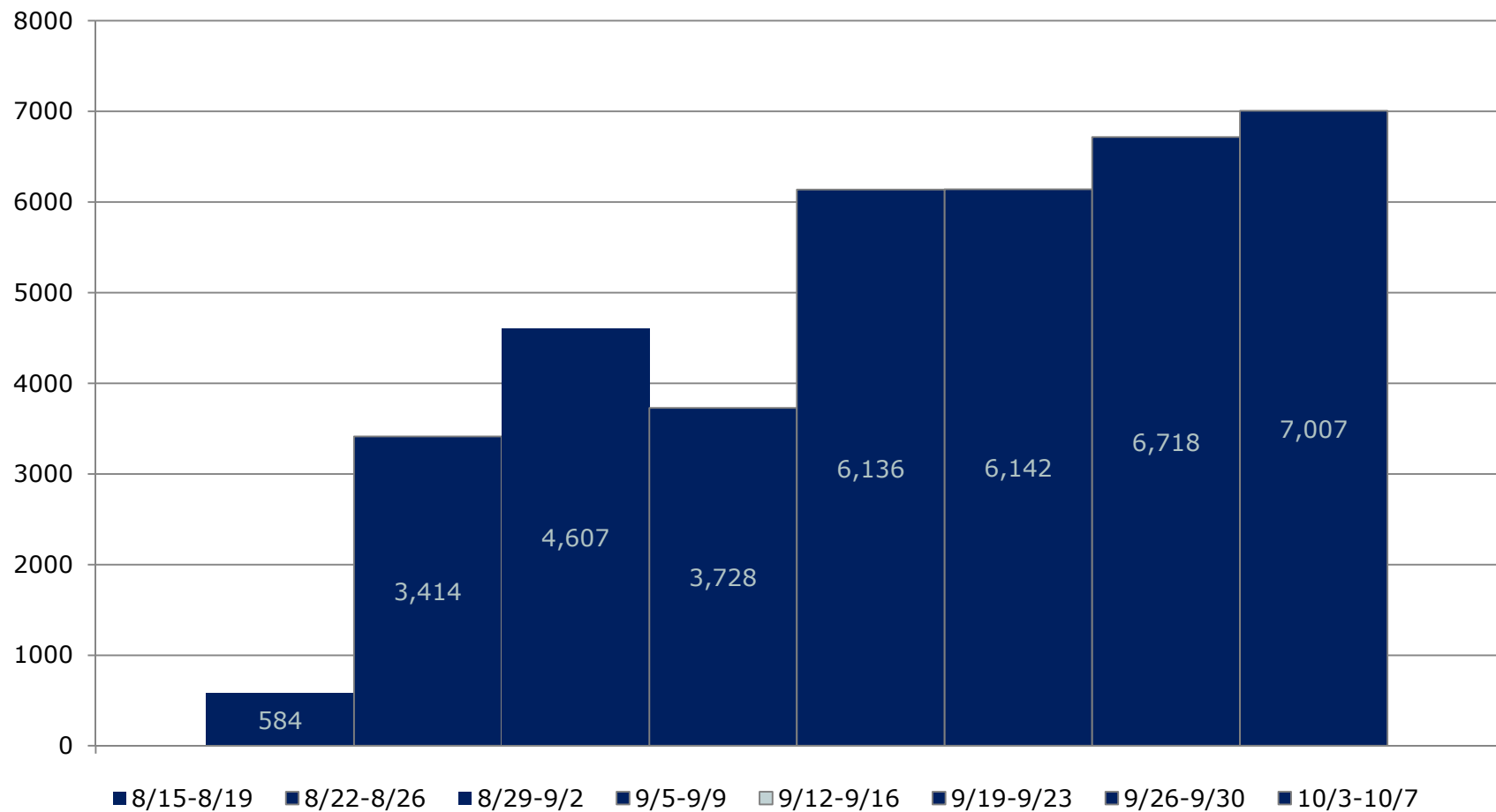
HOV/Transit Ramp

- Environmental Assessment is underway. Still waiting for traffic projections to be finalized, allowing the air/noise technical studies to be conducted.
- Public hearing scheduled for December 15; Commences 30-day public comment period.
- Design/Build process begins Spring 2012.
- Construction completion slated for Fall 2014.

DASH Express Weekly Ridership Trends



WMATA Express Weekly Ridership Trends



I-395/Seminary Road

TRAFFIC MONITORING

Study Area



Study Scope

- Study Duration
 - August 2011 – August 2012
- Traffic Counts
 - AM/PM Peak Period Turning Movements
- Photo Documentation
- Field Notes / Observations
- Traffic Operations Analysis
 - SYNCHRO

August Conditions

- Local schools were not in session
- August is a high vacation month generally
- No WHS employees were in place
- WHS construction traffic was present

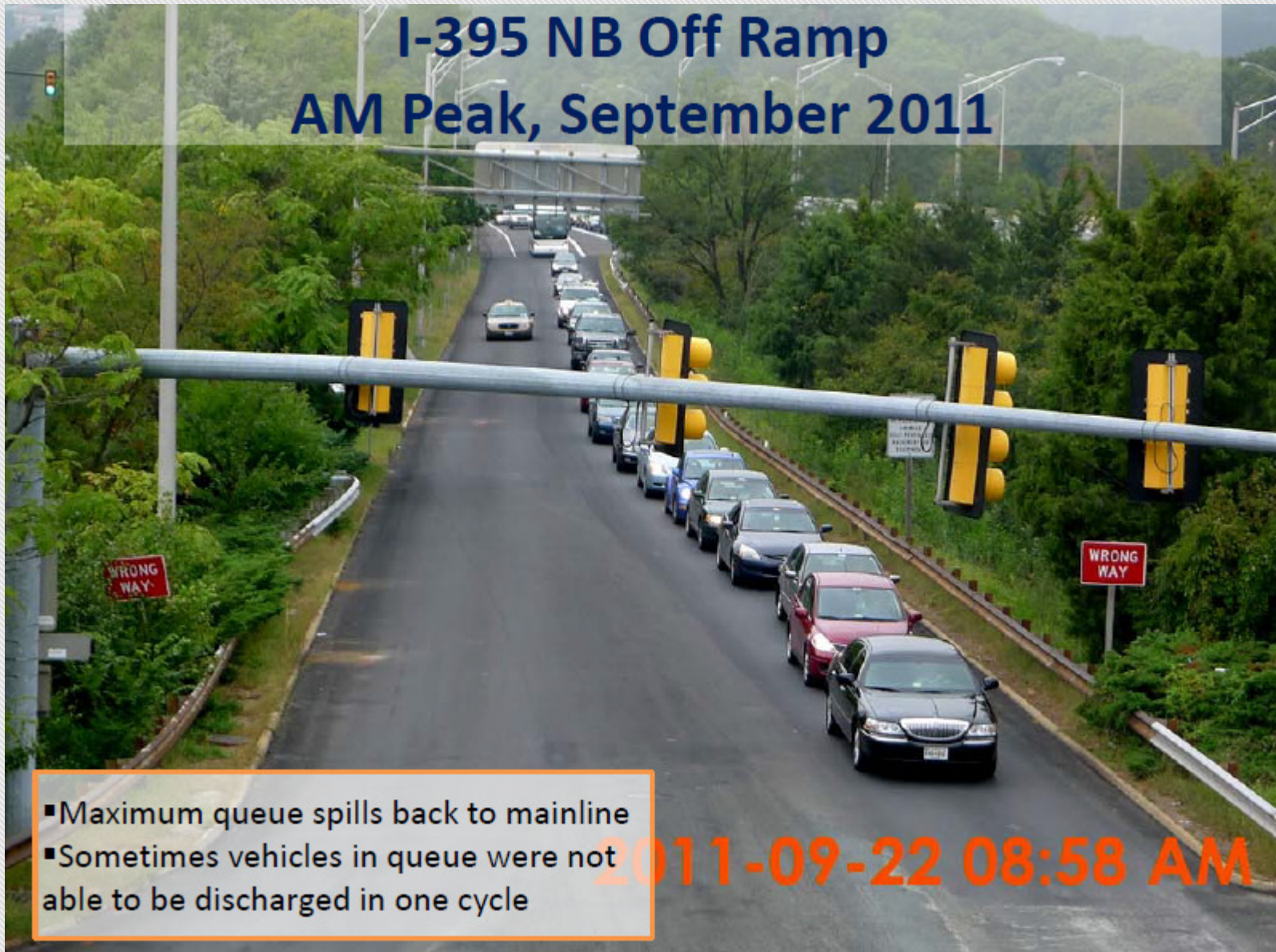
September Conditions

- Local schools were in session
- Less of a vacation month
- WHS was **36%** occupied
 - **2300 out of 6400** employees
- Some WHS construction traffic was still present

VDOT



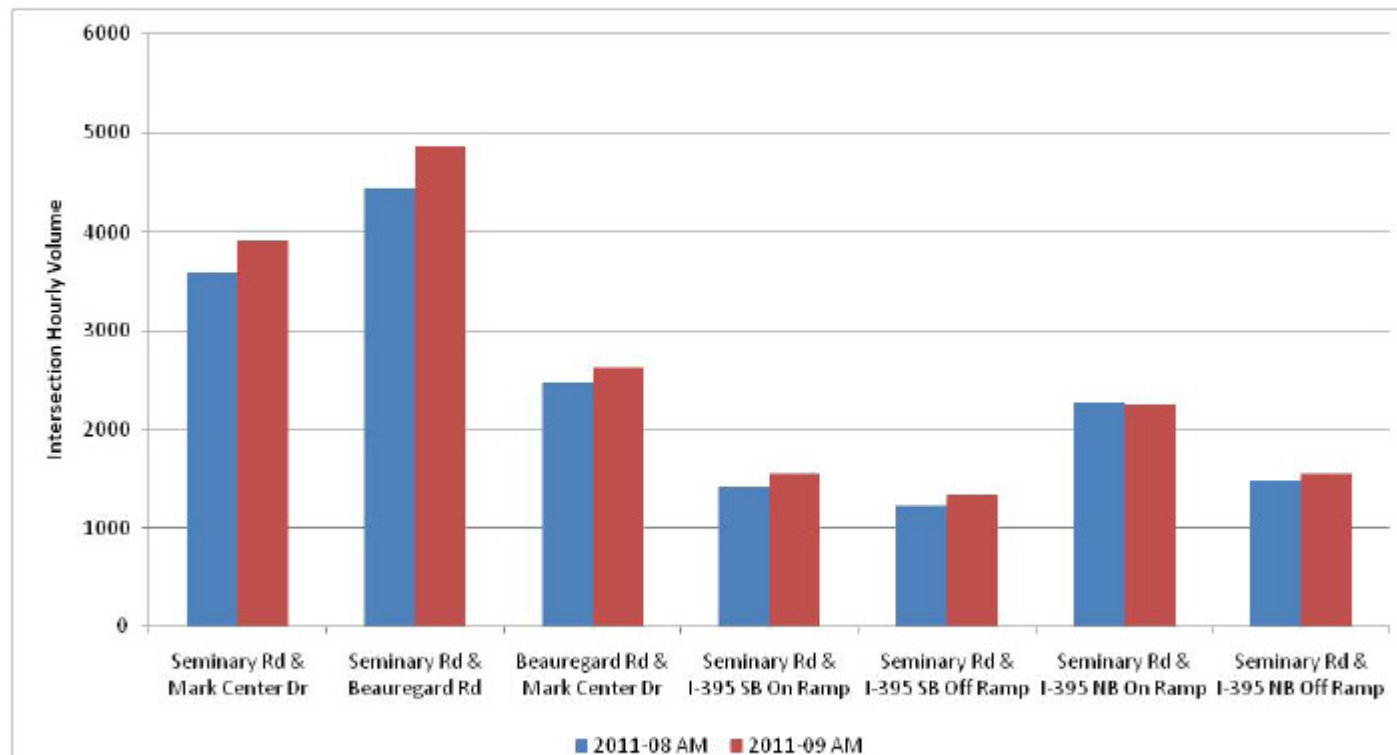
I-395 NB Off Ramp AM Peak, September 2011



- Maximum queue spills back to mainline
- Sometimes vehicles in queue were not able to be discharged in one cycle



AM Peak Hour Volumes



I-395 SB On Ramp PM Peak, September 2011

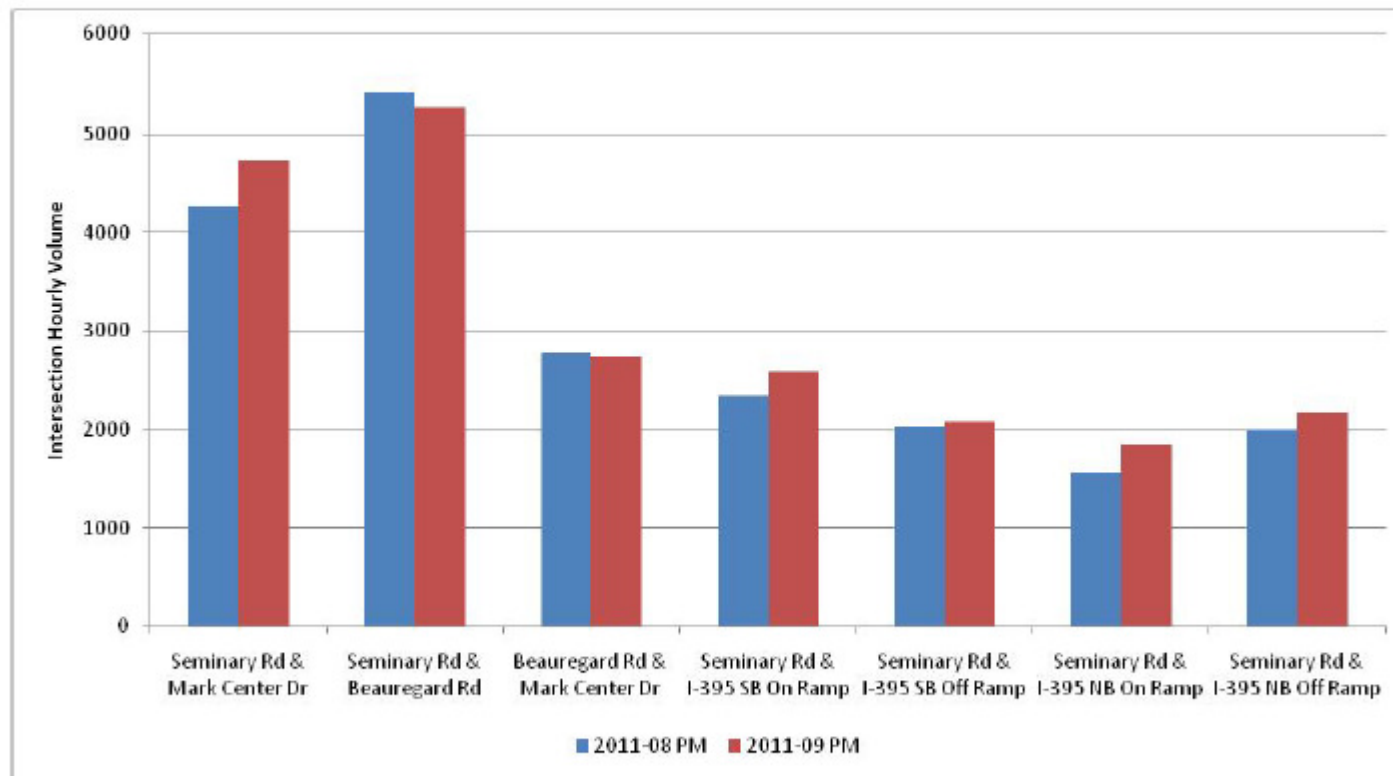


- Ramp meter was in operation on I-395 SB on ramp during PM peak period
- Maximum queue spills back to arterial
- Slow moving queues at 10-20 mph

2011-09-22 18:13 PM



PM Peak Hour Volumes

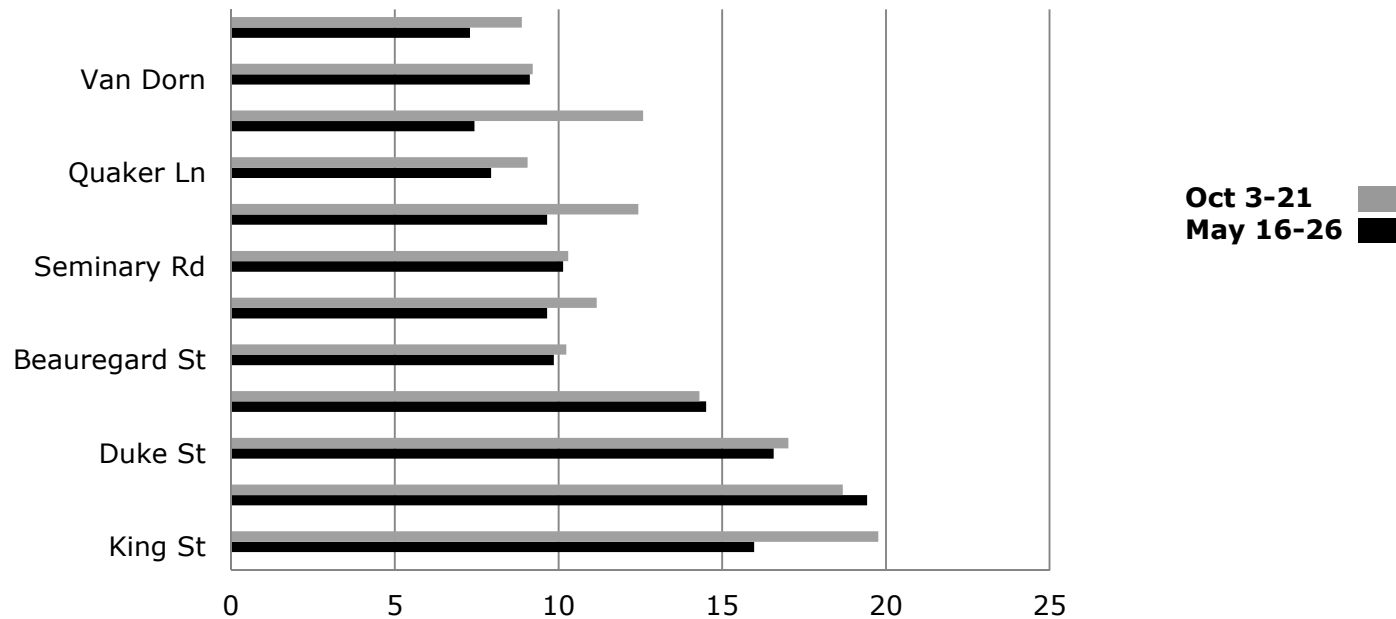


General Observations

- August
 - All queues were able to clear upon each cycle
- September
 - Most queues were able to clear upon each cycle
 - There were noticeable increase in queue lengths in September compared to August

Travel Times

AM Peak 2011

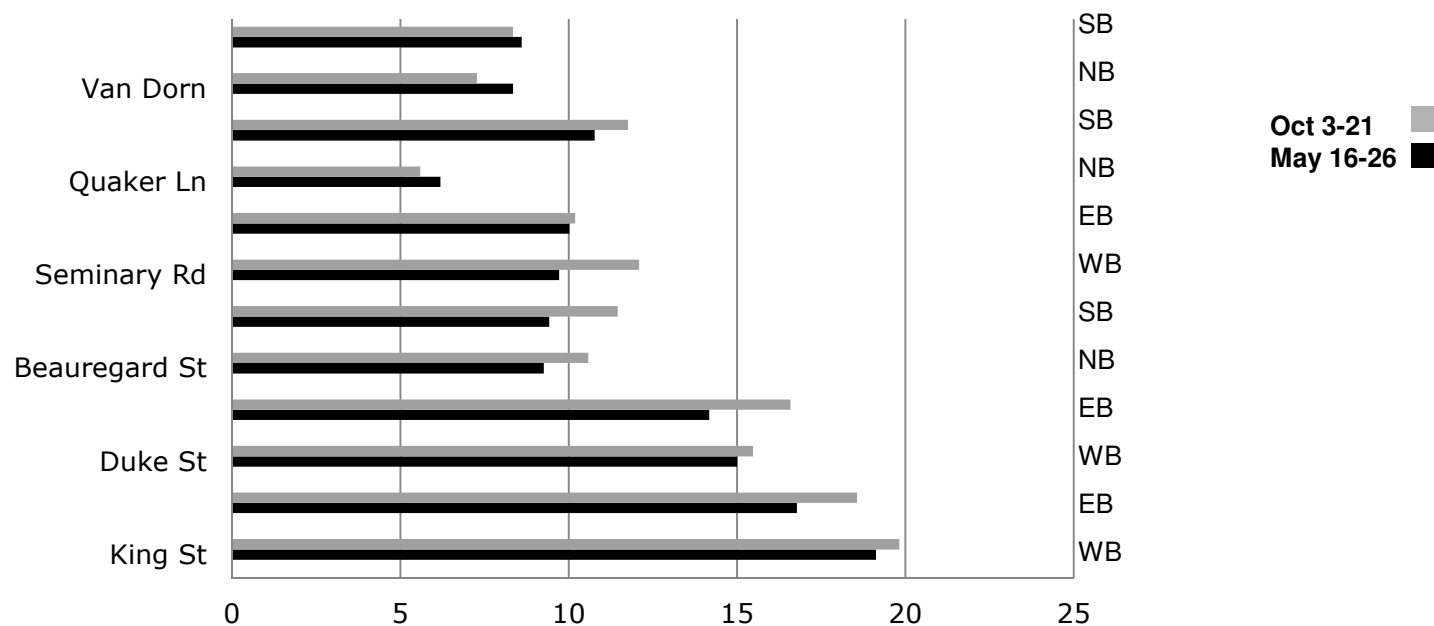


Van Dorn: Eisenhower to Braddock
Seminary: Dawes to King
Duke: Walker to Patrick

Quaker: Preston to Duke
Beauregard: Duke to King
King: Dawes to Patrick

Travel Times

PM Peak 2011



Van Dorn: Eisenhower to Braddock
 Seminary: Dawes to King
 Duke: Walker to Patrick

Quaker: Preston to Duke
 Beauregard: Duke to King
 King: Dawes to Patrick

Travel Times

- During the AM Peak Periods, there has been an average increase in travel times of slightly less than 1 ½ minutes.
- During the PM Peak Periods, there has been an average increase in travel times of 51.6 seconds.
- Additional data will be required to determine if the data reflect seasonal fluctuations.

Thank you...
Questions?